

STABLE SPRAY-DRIED PROTEIN FORMULATIONS

Abstract of the Invention

Spray-dried particles having improved protein stability are produced by spray-
5 drying a mixture including a protein, a phospholipid and an organic-aqueous co-solvent.
Spray-dried particles which include at least 1 weight % phospholipid, having a tap
density of less than 0.4g/cm^3 can be prepared. The particles can be delivered to the
pulmonary system of a patient.